Pyro 650-103L, 550SX Edition

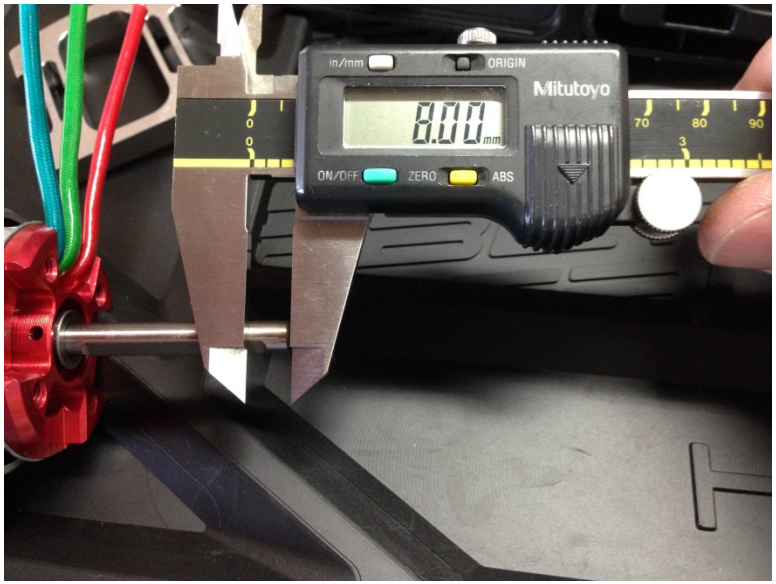
Modifying the Logo 550SX to fit the Kontronik Pyro 650-103L

Parts Needed

- Mod 1, 106T Main Gear- MIK4621
- Mod 1, 11T or 12T Pinion- MIK4635 or MIK4636
  - Note: the above parts are for the 600SX, which has a thicker main gear and matching pinion
- (1) 6x13x5 Bearing- can use MIK4521 (two come per package)
- (1) 6x9x0.2 Shim

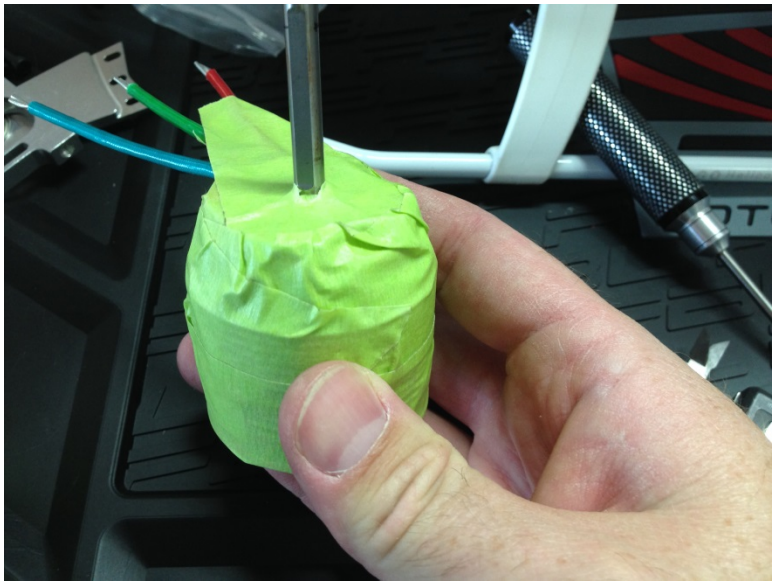
Step One- Cut Motor Shaft

The motor shaft on the Pyro 650-103L needs 8mm removed from the end. This is to prevent the shaft from damaging and interfering with the installation of the battery.



Step One- Cut Motor Shaft

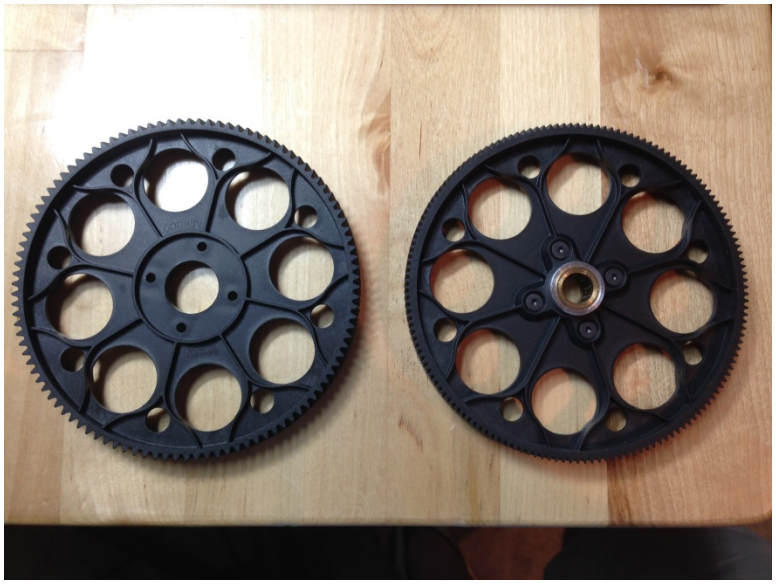
- Always protect the motor from metal particles.
- Add chamfer to end of shaft.



Step Two- Install Mod 1 Main Gear

- If you have previously installed the Mod .7 main gear in your 550SX, please remove it along with the counter bearing components.
- Remove the auto hub from the Mod .7 gear (if installed) and install in the new Mod 1 main gear.
- Follow the steps in the manual for installing the new gear with the appropriate shims.

Step Two- Install Mod 1 Main Gear

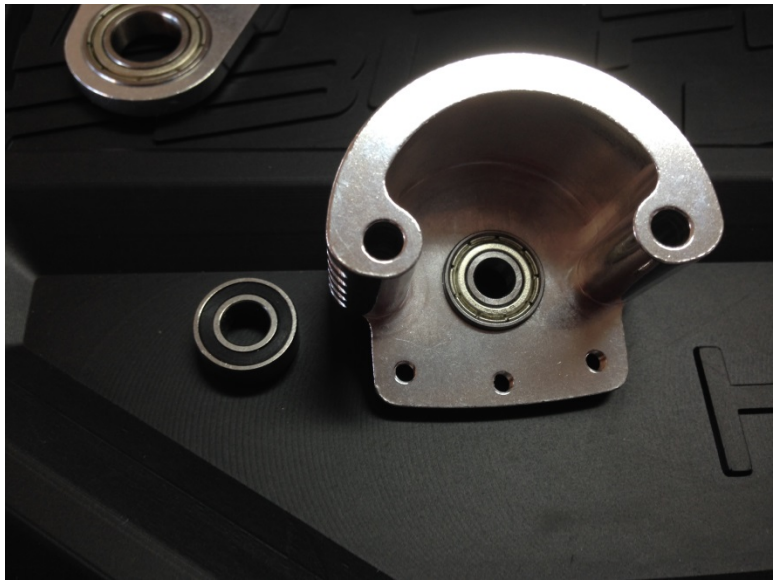


Step Three- Install new bearing in Counter Bearing Support

- The counter bearing support on the motor side is used on both the 550SX and 600SX models. The only difference is the 550SX has a bearing with a 5mm ID and the 600SX has a bearing with a 6mm ID. Since the powerful Pyro 650-103L has a 6mm motor shaft, the appropriate bearing must be installed.
- Carefully press the existing bearing out of MIK4714. This is easily accomplished with a simple vice and correctly sized socket. Of course if you have an Arbor Press, this is more precise for installation and removal.

Step Three- Install new bearing in Counter Bearing Support

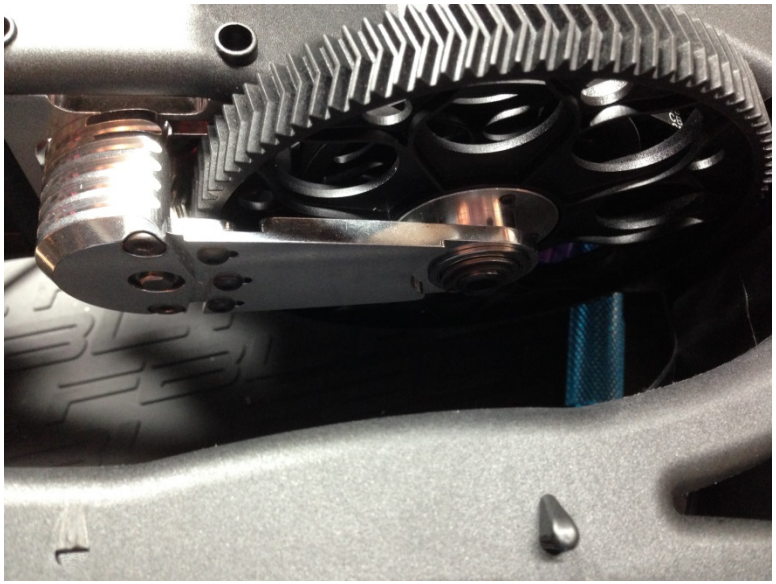
- Insert the new bearing (6x13x5) in the existing location and press until fully seated.

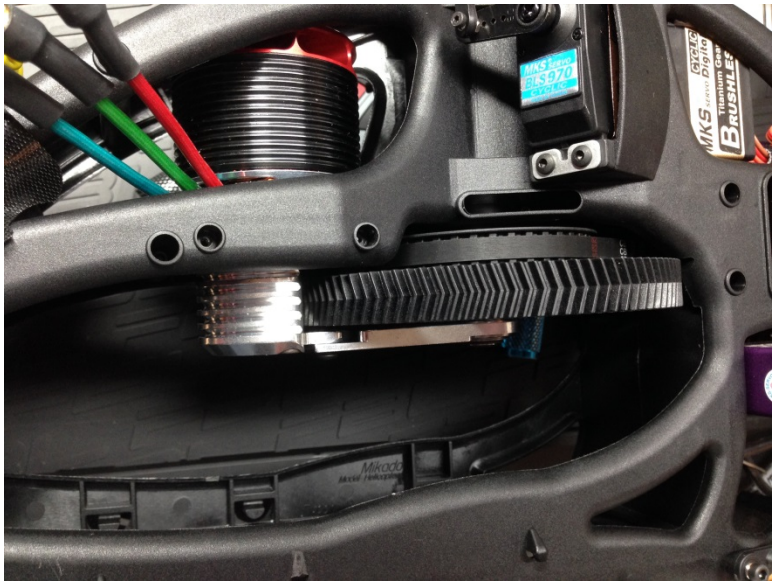


Step Four- Install Motor

- Loosely install the pinion on the motor shaft and install into the frame with the counter bearing support. Follow the Logo instruction manual for proper sequence of installation.
- Remember to add thread lock to appropriate screws and check to see the motor wires are not rubbing against and components.

Step Four- Install Motor





Step Five- Adjust your settings and go fly!

- Please adjust your throttle settings per the new gear ratio and motor kV. (the motor kV is 1030)

- Enjoy your new Pyro motor!!!